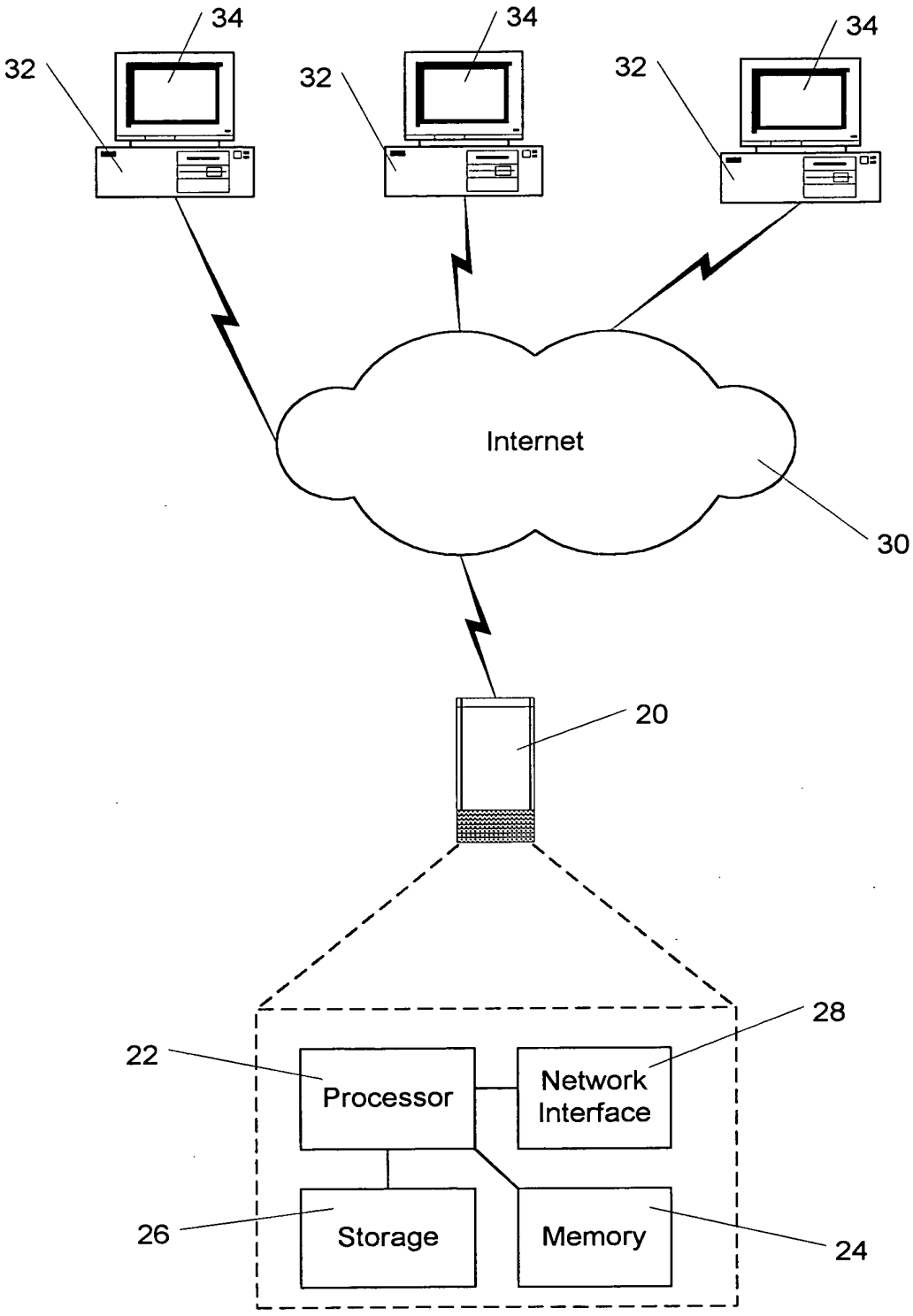

34
32
34
32
34
32
Internet
30
20
28
22
Processor
Network Interface
26
Storage
Memory
24

FIG. 1

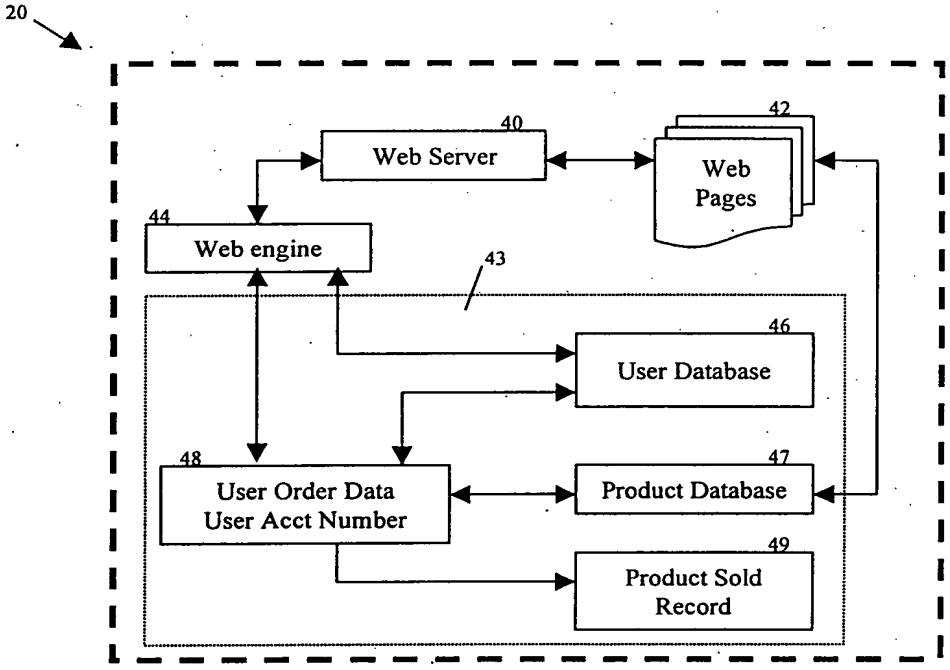

20
40
Web Server
42
Web
Pages
44
Web engine
43
46
User Database
48
User Order Data
User Acct Number
47
Product Database
49
Product Sold
Record

FIG. 2

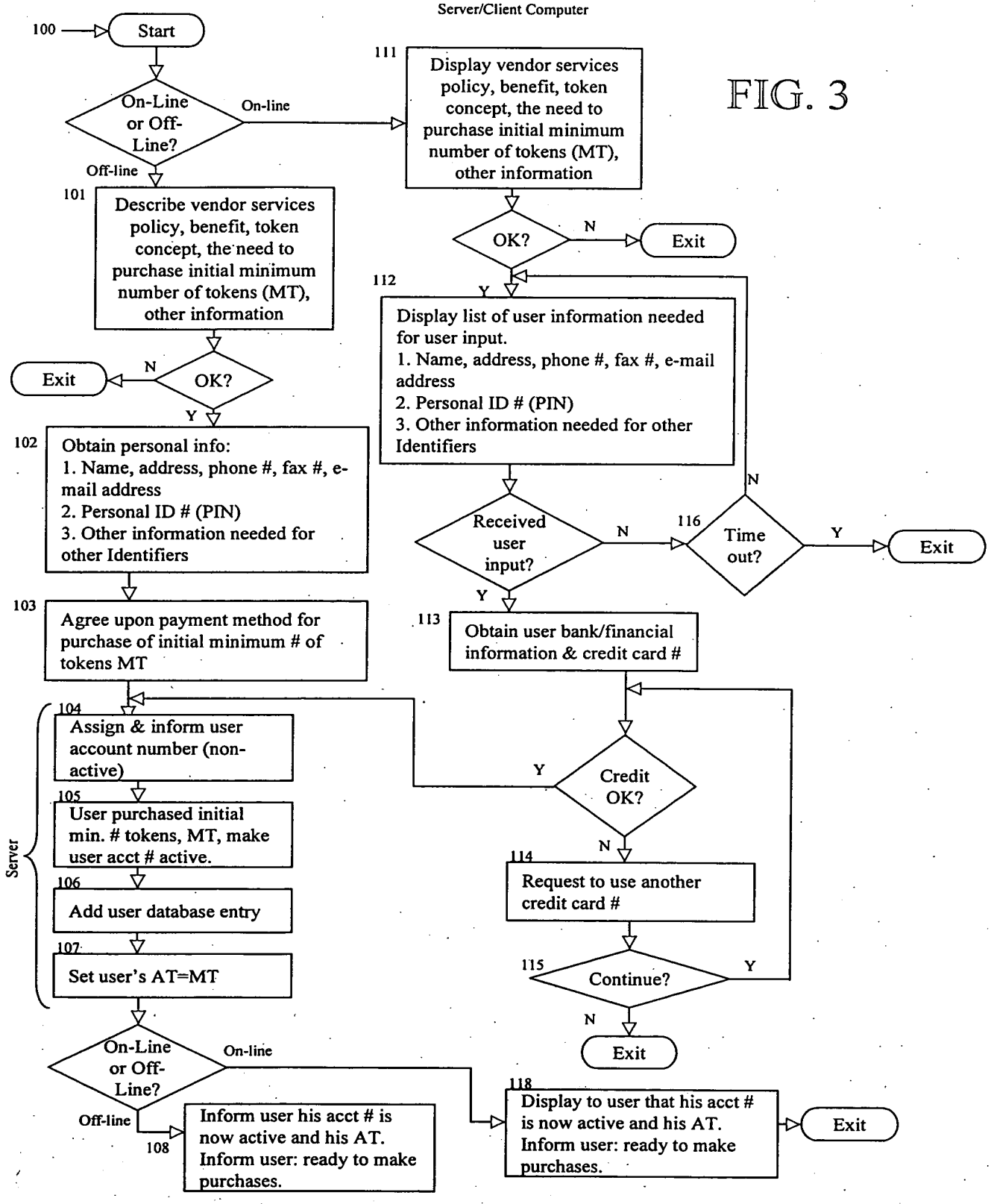
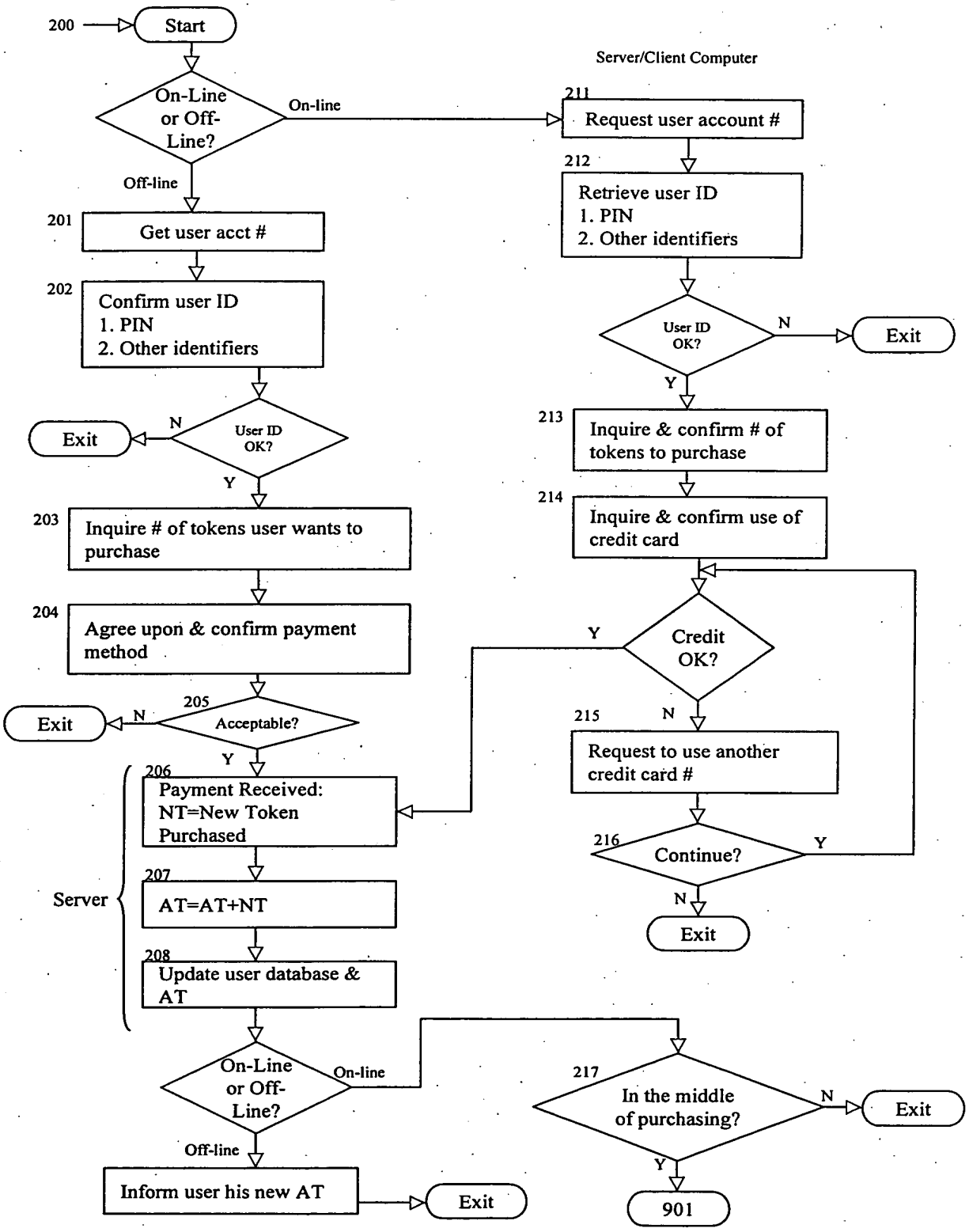

Server/Client Computer
100
Start
On-Line or Off-Line?
On-line
Off-line
111
Display vendor services policy, benefit, token concept, the need to purchase initial minimum number of tokens (MT), other information
OK?
N
Exit
Y
112
Display list of user information needed for user input.
1. Name, address, phone #, fax #, e-mail address
2. Personal ID # (PIN)
3. Other information needed for other Identifiers
Received user input?
N
116
Time out?
Y
Exit
N
Y
113
Obtain user bank/financial information & credit card #
Credit OK?
Y
N
114
Request to use another credit card #
115
Continue?
Y
N
Exit
101
Describe vendor services policy, benefit, token concept, the need to purchase initial minimum number of tokens (MT), other information
OK?
N
Exit
Y
102
Obtain personal info:
1. Name, address, phone #, fax #, e-mail address
2. Personal ID # (PIN)
3. Other information needed for other Identifiers
103
Agree upon payment method for purchase of initial minimum # of tokens MT
Server
104
Assign & inform user account number (non-active)
105
User purchased initial min. # tokens, MT, make user acct # active.
106
Add user database entry
107
Set user's AT=MT
On-Line or Off-Line?
On-line
Off-line
108
Inform user his acct # is now active and his AT. Inform user: ready to make purchases.
118
Display to user that his acct # is now active and his AT. Inform user: ready to make purchases.
Exit

FIG. 3

FIG. 4


200
Start
On-Line or Off-Line?
On-line
Off-line
Server/Client Computer
211
Request user account #
212
Retrieve user ID
1. PIN
2. Other identifiers
User ID OK?
N
Exit
Y
213
Inquire & confirm # of tokens to purchase
214
Inquire & confirm use of credit card
Credit OK?
Y
N
215
Request to use another credit card #
216
Continue?
Y
N
Exit
201
Get user acct #
202
Confirm user ID
1. PIN
2. Other identifiers
User ID OK?
N
Exit
Y
203
Inquire # of tokens user wants to purchase
204
Agree upon & confirm payment method
205
Acceptable?
N
Exit
Y
Server
206
Payment Received: NT=New Token Purchased
207
AT=AT+NT
208
Update user database & AT
On-Line or Off-Line?
On-line
Off-line
Inform user his new AT
Exit
217
In the middle of purchasing?
N
Exit
Y
901

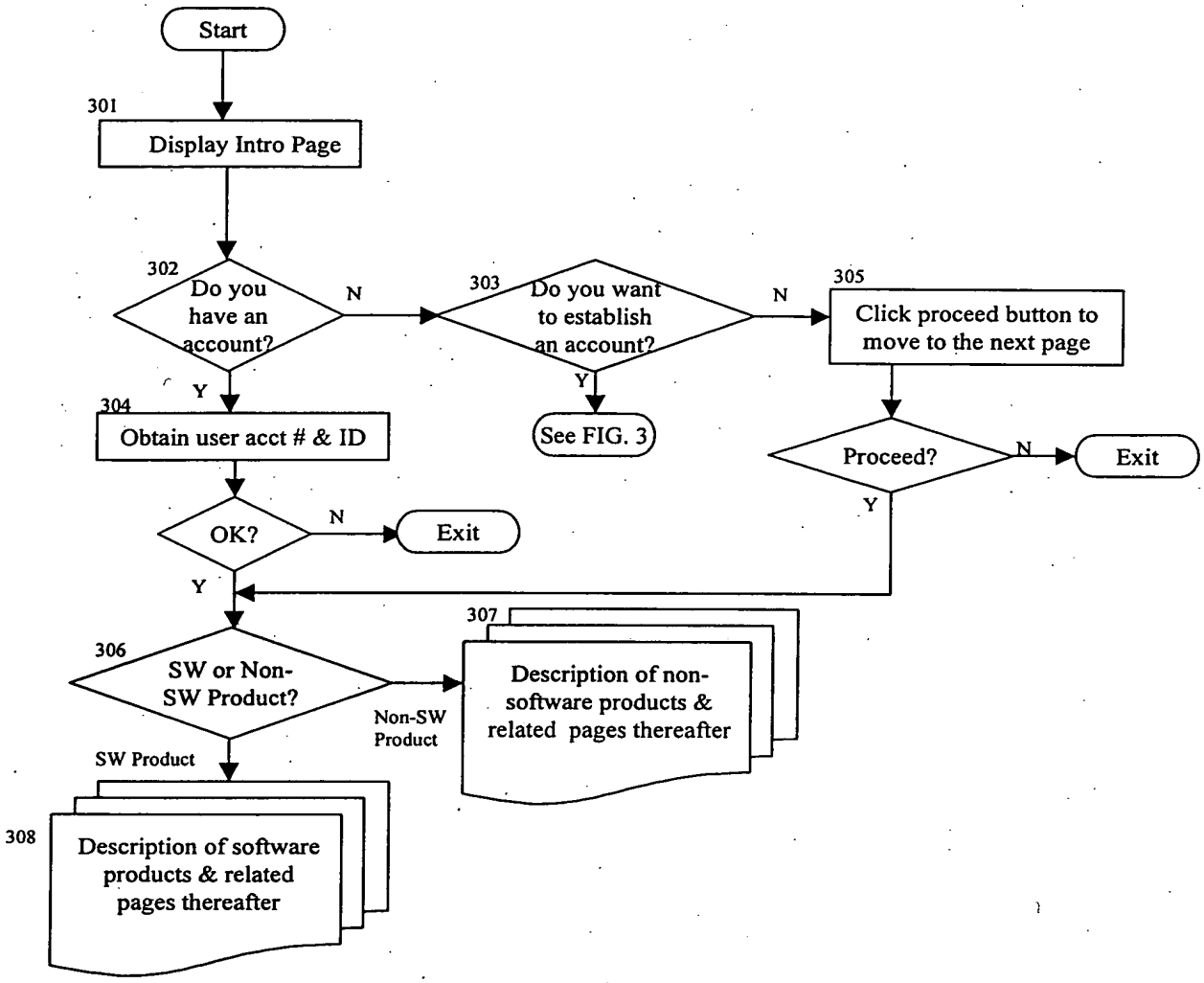

Start
301
Display Intro Page
302
Do you have an account?
N
303
Do you want to establish an account?
N
305
Click proceed button to move to the next page
Y
Y
304
Obtain user acct # & ID
See FIG. 3
Proceed?
N
Exit
Y
OK?
N
Exit
Y
307
306
SW or Non-SW Product?
Description of non-software products & related pages thereafter
Non-SW Product
SW Product
308
Description of software products & related pages thereafter

FIG. 5

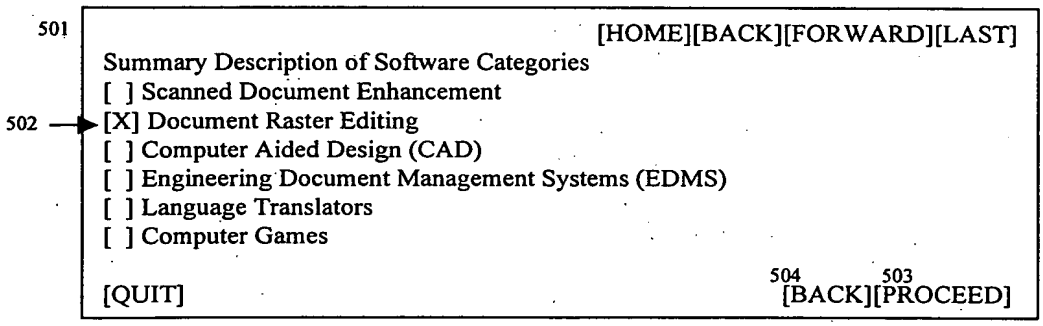

501
[HOME][BACK][FORWARD][LAST]
Summary Description of Software Categories
[ ] Scanned Document Enhancement
502
[X] Document Raster Editing
[ ] Computer Aided Design (CAD)
[ ] Engineering Document Management Systems (EDMS)
[ ] Language Translators
[ ] Computer Games
504
503
[QUIT]
[BACK][PROCEED]

FIG. 6

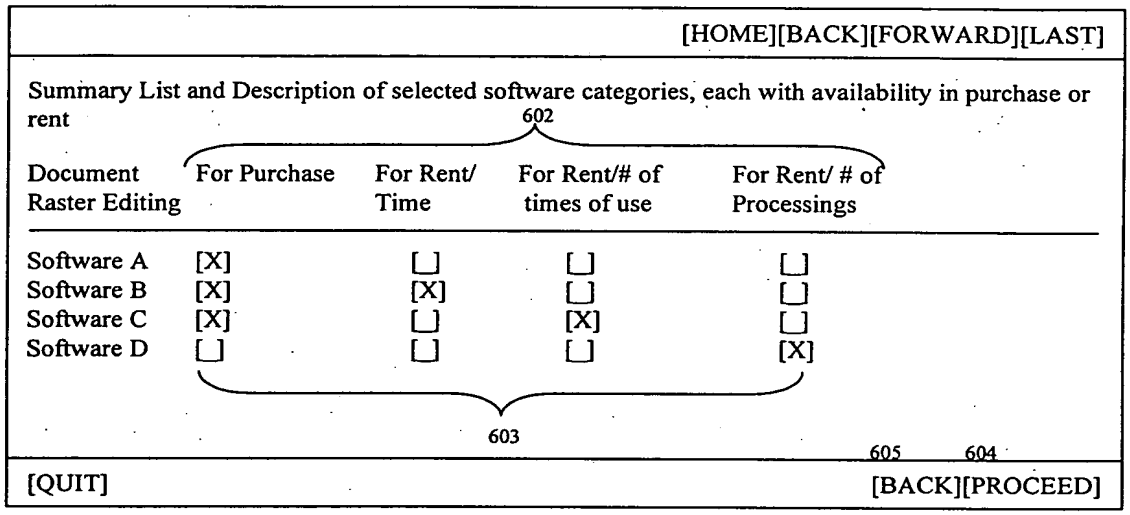

[HOME][BACK][FORWARD][LAST]
601
Summary List and Description of selected software categories, each with availability in purchase or rent
602
Document Raster Editing
For Purchase
For Rent/ Time
For Rent/# of times of use
For Rent/ # of Processings
Software A [X] [ ] [ ] [ ]
Software B [X] [X] [ ] [ ]
Software C [X] [ ] [X] [ ]
Software D [ ] [ ] [ ] [X]
603
605
604
[QUIT]
[BACK][PROCEED]

FIG. 7

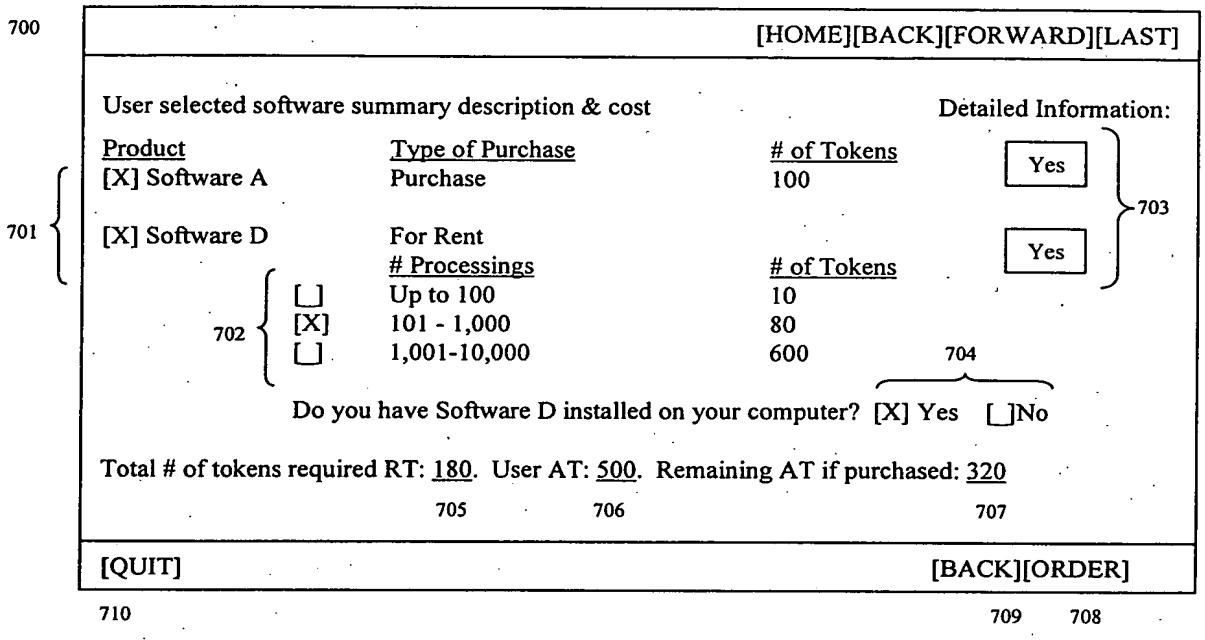

700
[HOME][BACK][FORWARD][LAST]
User selected software summary description & cost
Detailed Information:
Product
Type of Purchase
# of Tokens
[X] Software A
Purchase
100
Yes
701
703
[X] Software D
For Rent
Yes
Processings
of Tokens
[ ] Up to 100
10
702
[X] 101 - 1,000
80
[ ] 1,001-10,000
600
704
Do you have Software D installed on your computer? [X] Yes [ ]No
Total # of tokens required RT: 180. User AT: 500. Remaining AT if purchased: 320
705
706
707
[QUIT]
[BACK][ORDER]
710
709
708

FIG. 8

800

[HOME][BACK][FORWARD][LAST]

Customer order confirmation
You have ordered the following software products:

Product	Type of Purchase	Tokens Required
Software A	Purchase	100
Software D	For rental use to process 1,000 times	80
	Total # tokens required for this purchase	180

You already have Software D installed on your computer.
1. We will download Software A with permanent authorization code.
2. We will download a new authorization code for the addition of 1,000 processings for Software D.

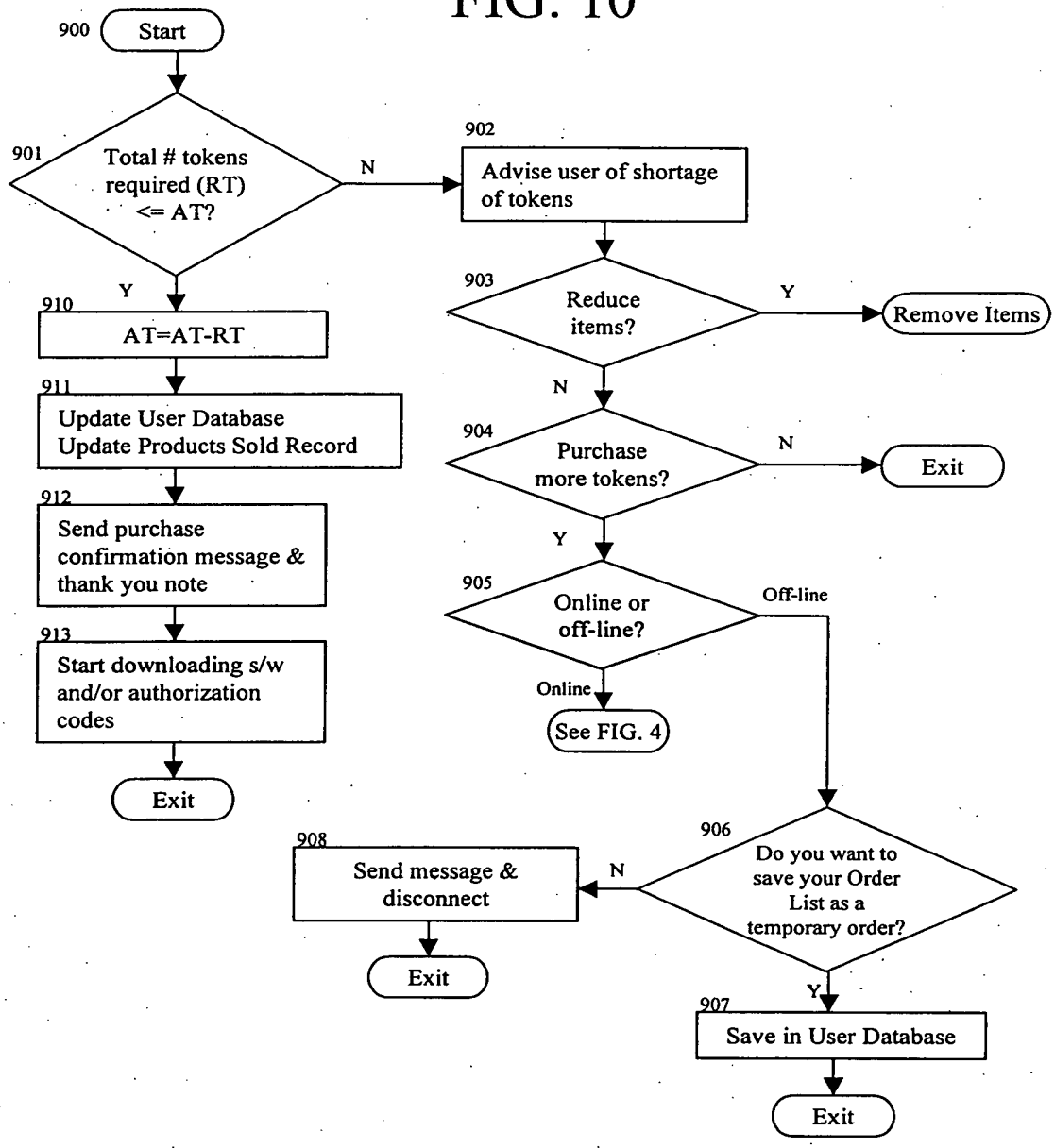
Total tokens required RT	User AT	New AT
[180]	[500]	[320]
801	802	803

[QUIT] [BACK] Click here if OK: [ORDER CONFIRMED]

806 805 804

FIG. 9

FIG. 10


900
Start
901
Total # tokens required (RT) <= AT?
N
902
Advise user of shortage of tokens
Y
910
AT=AT-RT
911
Update User Database
Update Products Sold Record
912
Send purchase confirmation message & thank you note
913
Start downloading s/w and/or authorization codes
Exit
903
Reduce items?
Y
Remove Items
N
904
Purchase more tokens?
N
Exit
Y
905
Online or off-line?
Off-line
Online
See FIG. 4
906
Do you want to save your Order List as a temporary order?
N
908
Send message & disconnect
Exit
Y
907
Save in User Database
Exit

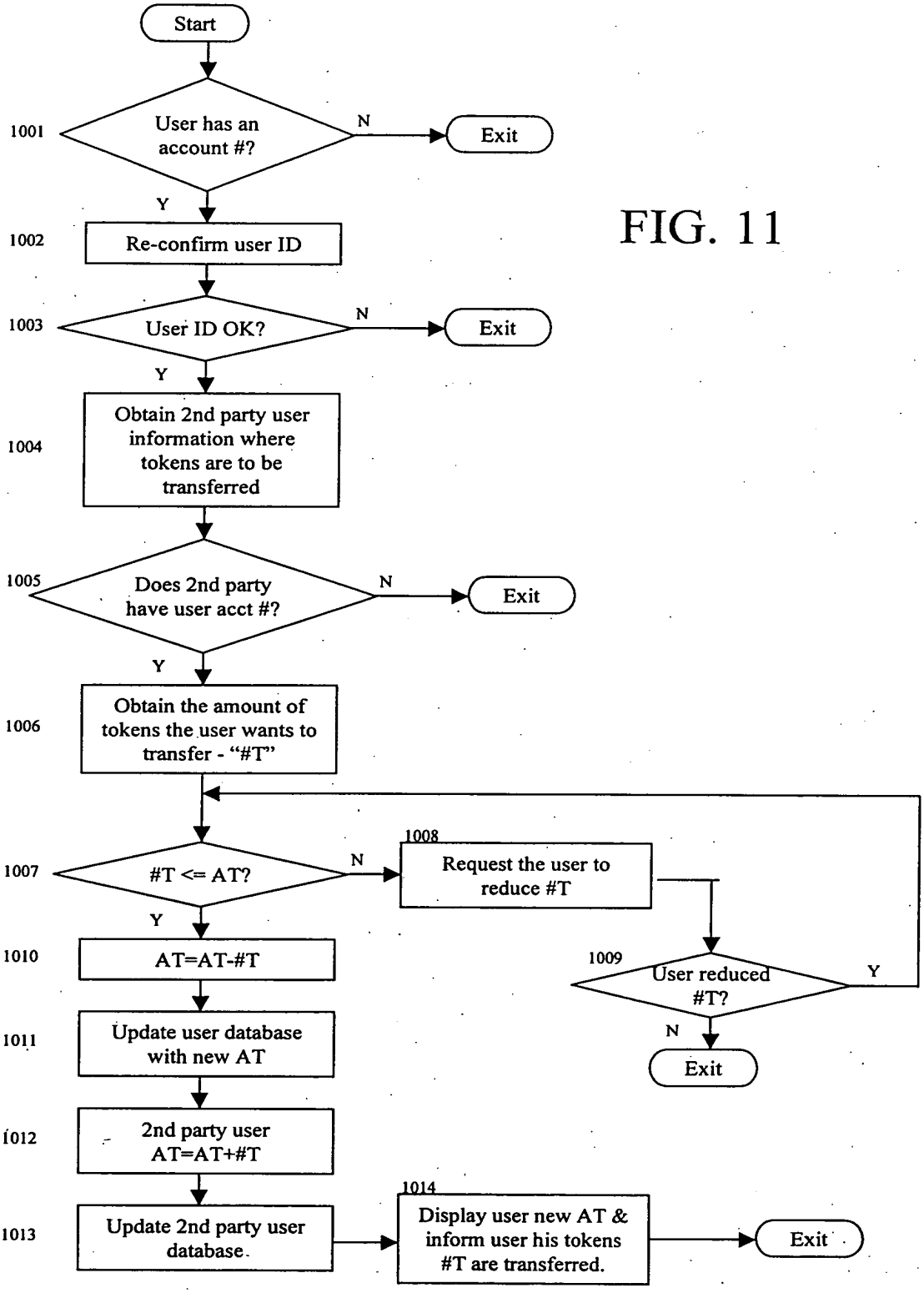
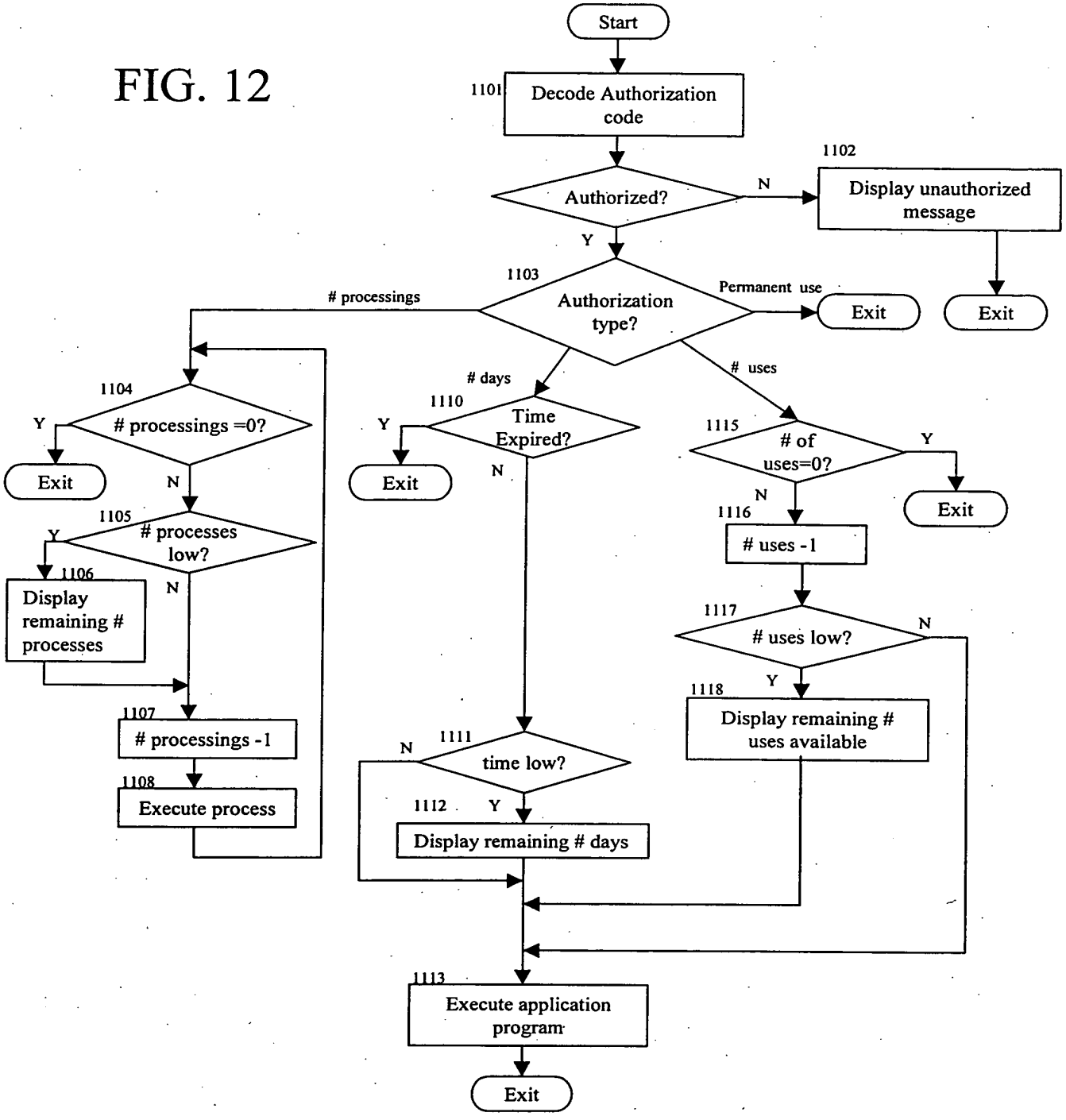

Start
1001
User has an account #?
N
Exit
Y
1002
Re-confirm user ID
1003
User ID OK?
N
Exit
Y
1004
Obtain 2nd party user information where tokens are to be transferred
1005
Does 2nd party have user acct #?
N
Exit
Y
1006
Obtain the amount of tokens the user wants to transfer - "#T"
1007
#T <= AT?
N
1008
Request the user to reduce #T
1009
User reduced #T?
Y
N
Exit
Y
1010
AT=AT-#T
1011
Update user database with new AT
1012
2nd party user AT=AT+#T
1013
Update 2nd party user database
1014
Display user new AT & inform user his tokens #T are transferred.
Exit

FIG. 11

FIG. 12


Start
1101
Decode Authorization code
Authorized?
N
1102
Display unauthorized message
Exit
Y
1103
Authorization type?
Permanent use
Exit
processings
days
uses
1104
processings =0?
Y
Exit
N
1105
processes low?
Y
1106
Display remaining # processes
N
1107
processings -1
1108
Execute process
1110
Time Expired?
Y
Exit
N
1111
time low?
N
1112
Y
Display remaining # days
1115
# of uses=0?
Y
Exit
N
1116
uses -1
1117
uses low?
N
Y
1118
Display remaining # uses available
1113
Execute application program
Exit

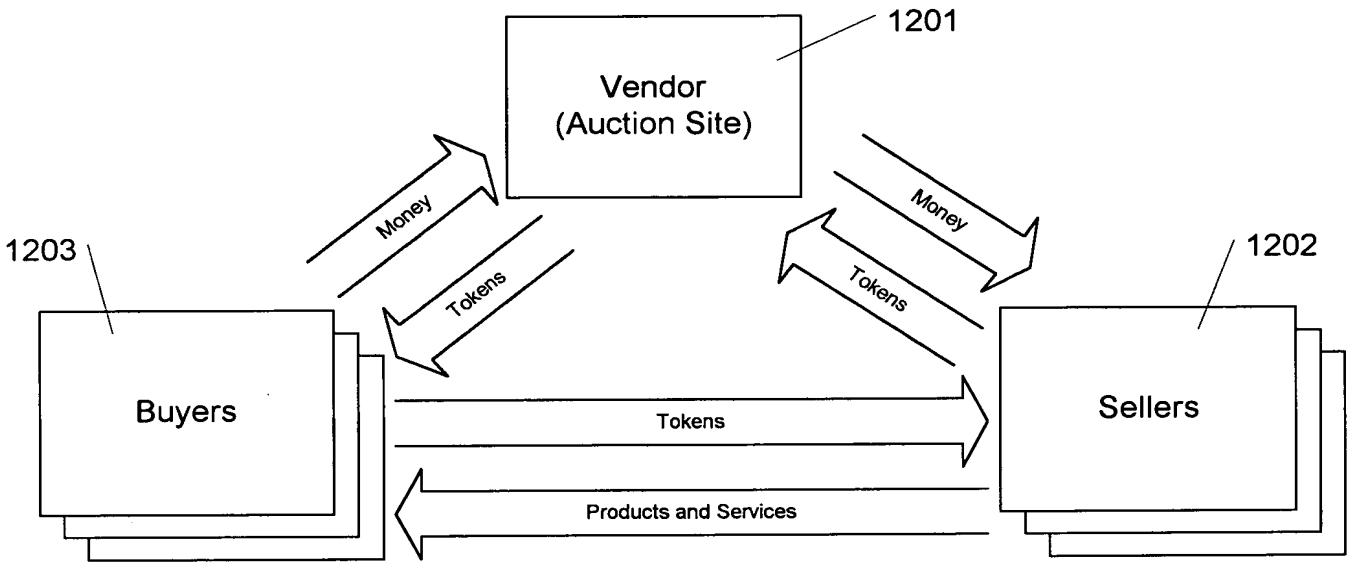

1201
Vendor
(Auction Site)
Money
Tokens
Money
Tokens
1203
1202
Buyers
Tokens
Products and Services
Sellers

FIG. 13